

METHODS AND APPARATUSES FOR LAUNCHING, CAPTURING, AND
STORING UNMANNED AIRCRAFT, INCLUDING A CONTAINER HAVING A
GUIDE STRUCTURE FOR AIRCRAFT COMPONENTS

ABSTRACT OF THE DISCLOSURE

Methods and apparatuses for launching, capturing, and storing unmanned aircraft and other flight devices or projectiles are described. In one embodiment, the aircraft can be assembled from a container with little or no manual engagement by an operator. The container can include a guide structure to control motion of the aircraft components. The aircraft can be launched from an apparatus that includes an extendable boom. The boom can be extended to deploy a recovery line to capture the aircraft in flight. The aircraft can then be returned to its launch platform, disassembled, and stored in the container, again with little or no direct manual contact between the operator and the aircraft.